

FIG. 1

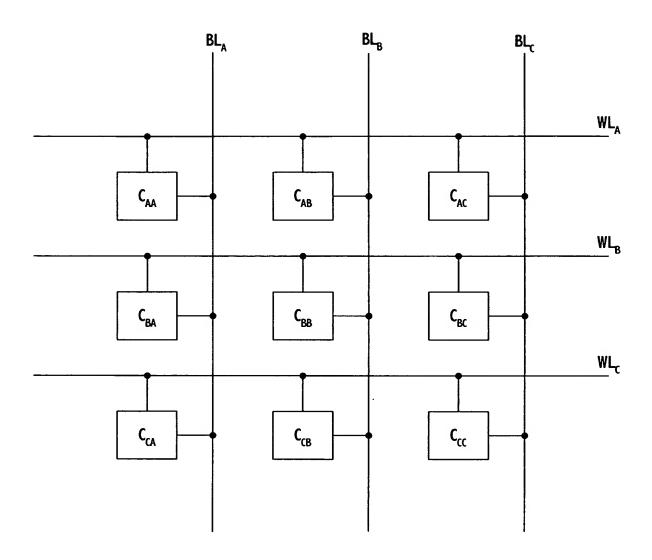


FIG. 2

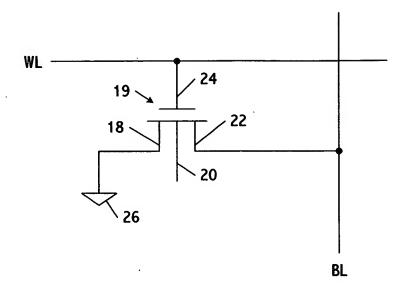


FIG. 3A

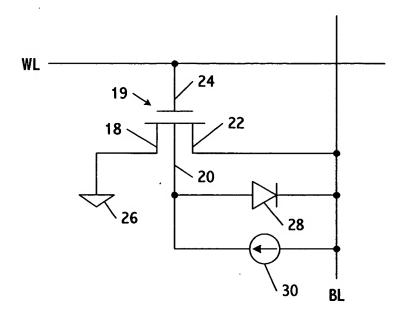


FIG. 3B

| | SECOND CHANNEL INTERFACE | GATE (WL) | FIRST CHANNEL INTERFACE (BL) |
|--------------------|--------------------------------|--------------|---------------------------------------|
| HOLD | LOW | VERY LOW | VERY LOW, LOW, OR HIGH |
| WRITE LOGICAL O | LOW | HIGH | VERY LOW |
| WRITE LOGICAL 1 | LOW | HIGH | HIGH |

FIG. 4

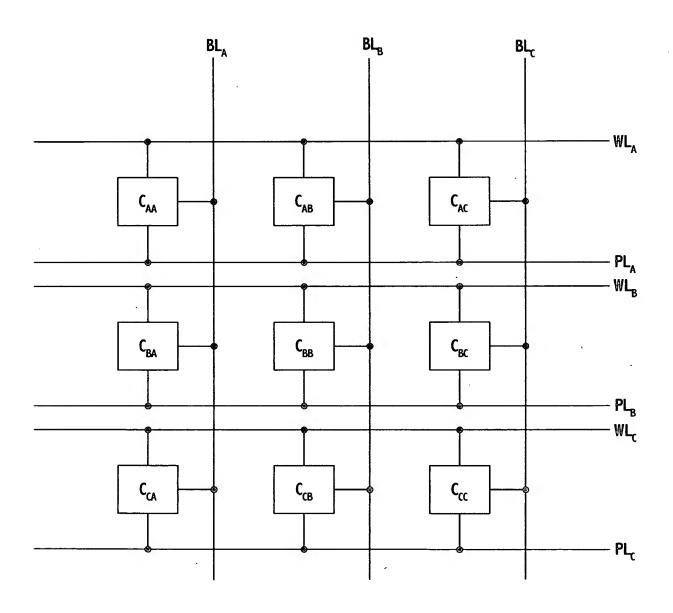


FIG. 5

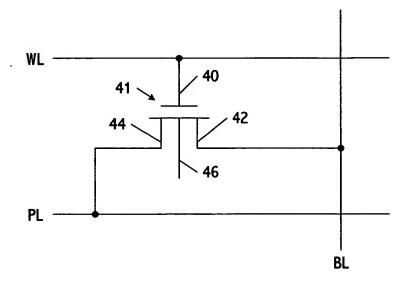


FIG. 6A

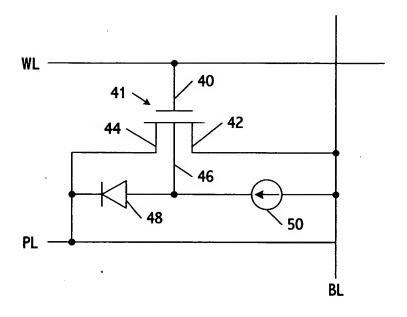


FIG. 6B

| | SECOND CHANNEL INTERFACE (PURGE LINE) | GATE (WORD LINE) | FIRST CHANNEL INTERFACE (BIT LINE) |
|---------|--|---------------------|---|
| HOLD | LOW | LOW | LOW OR HIGH |
| PURGE | VERY LOW | VERY LOW | LOW |
| WRITE O | LOW | HIGH | LOW |
| WRITE 1 | LOW | HIGH | HIGH |

FIG. 7